## (19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 29 September 2005 (29.09.2005)

PCT

## (10) International Publication Number WO 2005/090582 A1

(51) International Patent Classification7:

C12N 15/82

(21) International Application Number:

PCT/EP2005/002735

(22) International Filing Date: 15 March 2005 (15.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 04006377.8

17 March 2004 (17.03.2004)

(71) Applicants (for all designated States except US): BASF Plant Science GmbH [DE/DE]; 67056 Ludwigshafen (DE). SweTree Technologies AB [SE/SE]; Tvistevagen 48, S-907 19 Umea (SE).

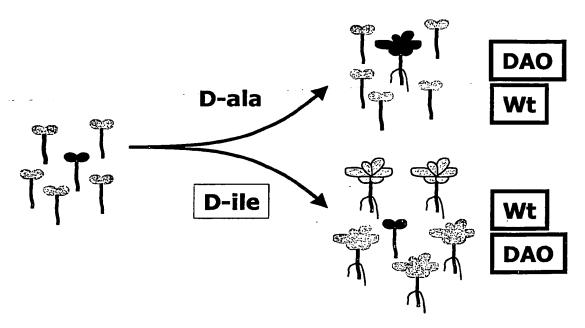
(72) Inventors; and

(75) Inventors/Applicants (for US only): HILLEBRAND, Helke [DE/DE]; G 7, 18, 68159 Mannheim (DE). EBNETH, Marcus [DE/DE]; Katzbachstr.36, 10965 Berlin (DE). NÄSHOLM, Torgny [SE/SE]; Berggatan 7, S-91331 Holmsund (SE). ERIKSON, Oskar [SE/SE]; Frejavägen 11, S-91332 Holmsund (SE). HERTZBERG, Magnus [SE/SE]; Axtorpsvägen 39, S-90339 Umea (SE).

- (74) Agent: PRESSLER, Uwe; c/o BASF Aktiengesellschaft, 67056 Ludwigshafen (DE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: POST HARVEST CONTROL OF GENETICALLY MODIFIED CROP GROWTH EMPLOYING D-AMINO ACID COMPOUNDS



(57) Abstract: The invention relates to a method for preventing and/or suppressing growth of transgenic plants comprising a transgenic expression cassette for a D-amino acid oxidase, which are grown on a field, in subsequent seasons among a population of other plants on said field or neighboring fields based on selective killing of the transgenic plants by application of a D-amino acid (e.g. D-isoleucine) which is metabolized by said D-amino acid in said transgenic plants into a phytotoxic compound.

2005/090582 A1 |||||||||

## 

FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

## Published:

with international search report